



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/868,029

09/23/2002

Shuichi Miyazaki

7254/63012

5455

530 7590 05/27/2009  
LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK  
600 SOUTH AVENUE WEST  
WESTFIELD, NJ 07090

EXAMINER

BILGRAMI, ASGHAR H

ART UNIT

PAPER NUMBER

2443

MAIL DATE

DELIVERY MODE

05/27/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/868,029	<b>Applicant(s)</b> MIYAZAKI ET AL.	
	<b>Examiner</b> ASGHAR BILGRAMI	<b>Art Unit</b> 2443	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 February 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 2-15, 17-31, 36 and 37 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-15, 17-31, 36 and 37 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/16/08, 2/23/09, 2/25/09</u>                                | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/23/2009 has been entered.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2-10, 14, 15, 17-26, 30, 31, 36 & 37 rejected under 35 U.S.C. 103(a) as being unpatentable over Tokyo Shibaura Electric Co et al (9-179549) {submitted as IDS} and Walden (4,081,850).

4. As per claims 36 Tokyo Shibaura Electric Co disclosed a handheld {since due to its size it can fit in pocket therefore it is considered to be a handheld device, please see figure 2 on page 8 of the foreign reference} recording and/or reproducing device (Figure 1, page 8 of the foreign reference and page.8 ,paragraph.9 of disclosure document 9-

Art Unit: 2443

179549) , comprising: a housing case (Drawing 2 shows the housing case of the handheld device); a manipulating unit (Drawing 2, element 14 of the foreign reference & Page.13, Paragraph.25 of disclosure document 9-179549) configured to be arranged on a plane perpendicular to a longitudinal direction of said housing case at one end side {this added limitation merely describing the “design choice” and has no impact on the functionality of the claimed invention}; a jack configured to be arranged at one end side ((Tokyo Shibaura Electric Co, page 15, Paragraph.34 of disclosure document 9-179549, lines 13-15), said jack having a opening arranged to receive a plug inserted from a direction of the one end side {Tokyo Shibaura Electric Co, page 15, Paragraph.34 of disclosure document 9-179549, lines 13-15, it is well known that a jack is supposed to have some kind of plug to be inserted in it (for example ear phone)}); a storage medium configured to store digital data (page.10 , Paragrph.14 of disclosure document 9-179549); a reproducing unit; and a control unit configured to control said reproducing unit to reproduce the stored digital data in accordance with an input from said manipulating unit (Page16, Paragraphs.37 & 38 of disclosure document 9-179549), said housing case containing said storage medium , said control unit and said reproducing unit (Page.15, Paragraph.34 of disclosure document 9-179549 & figure 1), and said jack configured to output an audio signal generated by said reproducing unit ({Tokyo Shibaura Electric Co, page 15, Paragraph.34 of disclosure document 9-179549}). However Tokyo Shibaura Electric Co did not explicitly disclose a strap attaching unit configured to be arranged at the one end side.

Art Unit: 2443

In the same field of endeavor Walden disclosed a strap attaching unit configured to be arranged at the one end side (col.1, lines 35-50 & col.3, lines 9-14).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated a strap attaching means as disclosed by Walden onto a portable recording and/or reproducing device disclosed by Tokyo Shibaura Electric Co in order to make the device more easier to carry by an individual resulting in improving the portability aspect of the device by a user.

5. As per claims 2, 17 and 20 Tokyo Shibaura Electric Co -- Walden disclosed the handheld recording and/or reproducing device according to Claim 36, comprising: digital-to-analog converting means for producing an analog signal by digital-to-analog converting said digital data which has been subjected to the reproduction processing by said reproducing unit (Tokyo Shibaura Electric Co, page 15, Paragraph.34 of disclosure document 9-179549 & figure 5 of the foreign reference) ; and said jack is provided on the one end side in said longitudinal direction of said case having a terminal for outputting said analog signal obtained from said digital-to-analog converting means to said connection plug inserted (Tokyo Shibaura Electric Co, page 15, Paragraph.34 of disclosure document 9-179549, lines 13-15), and wherein said strap has a ring part (Walden, col.1, lines 35-50 & col.3, lines 9-14) and a holding means for integrally holding a code introduced from said connection plug and said ring part (Tokyo Shibaura Electric Co, (Page16, Paragraphs.37 & 38 of disclosure document 9-179549).

Art Unit: 2443

1. As per claims 3 & 21 Tokyo Shibaura Electric Co -Walden disclosed the handheld recording and/or reproducing device according to Claim 2, wherein said jack is provided in said case so that said plug is projected from the other end side toward the one end side in said longitudinal direction (Tokyo Shibaura Electric Co, Page16, Paragraphs.37 & 38 of disclosure document 9-179549).

2. As per claims 4 & 22 Mills-Walden disclosed the handheld recording and/or reproducing device according to Claim 3, wherein said jack is provided so that the direction of inserting said connection plug is slant with respect to said longitudinal direction of said case (Tokyo Shibaura Electric Co, Page16, Paragraphs.37 & 38 of disclosure document 9-179549).

3. As per claim 5 Tokyo Shibaura Electric Co -Walden disclosed the handheld recording and/or reproducing device according to Claim 36 (Tokyo Shibaura Electric Co, Page16, Paragraphs.37 & 38 of disclosure document 9-179549), further comprising strap attaching means which is provided on said one end side in the longitudinal direction of said case for attaching a predetermined strap thereto (Walden, figure1, col.1, lines 35-46 & col.3, lines 9-14).

4. As per claim 6 Tokyo Shibaura Electric Co -Walden disclosed the recording and/or reproducing device according to Claim 5 (Tokyo Shibaura Electric Co, Page16, Paragraphs.37 & 38 of disclosure document 9-179549), wherein said strap attaching

Art Unit: 2443

means allows said dangling strap to be attached thereto (Walden, figure1, col.1, lines 35-46 & col.3, lines 9-14).

5. As per claims 7 & 23 Tokyo Shibaura Electric Co -Walden disclosed the portable recording and/or reproducing device according to Claim 36, further comprising: a circuit board which is contained in said case with loading an Integrated Circuit package (Tokyo Shibaura Electric Co, Page16, Paragraphs.37 & 38 of disclosure document 9-179549) which constitutes at least a part of said control means; and projecting parts for containing a part of said circuit board, which are formed so that a part of said case projects in accordance with the form of said circuit board (Tokyo Shibaura Electric Co, Page11, Paragraphs.18 of disclosure document 9-179549).

6. As per claims 8 & 24 Tokyo Shibaura Electric Co -Walden disclosed the handheld recording and/or reproducing device according to Claim 7, wherein said projecting parts are formed in said longitudinal direction of said case (Tokyo Shibaura Electric Co, Figure 1, page 8 of the foreign reference and page.8 ,paragraph.9 of disclosure document 9-179549).

7. As per claims 9 & 25 Tokyo Shibaura Electric Co -Walden disclosed the handheld recording and/or reproducing device according to Claim 36, further comprising a clip which is provided on said one end side in said longitudinal direction of said case to attach the case to a user's body, clothes, and belongings (Tokyo Shibaura Electric

Art Unit: 2443

Co, Figure 1, page 8 of the foreign reference)

8. As per claims 10 & 26 Tokyo Shibaura Electric Co-Walden disclosed the handheld recording and/or reproducing device according to Claim 36, further comprising: an interface for taking in said digital data which is transferred from outside; and recording means for recording said digital data taken in by said interface, to said recording medium (Tokyo Shibaura Electric Co, Figure 1, page 8 of the foreign reference and page.8, paragraph.9 of disclosure document 9-179549).

9. As per claims 15 & 31 Tokyo Shibaura Electric Co -Walden disclosed the handheld recording and/or reproducing device according to Claim 36, wherein said case is formed in a cylindrical form (Tokyo Shibaura Electric Co, Page.15, Paragraph.34 of disclosure document 9-179549 & figure 1).

10. As per claim 18 Tokyo Shibaura Electric Co-Walden disclosed the handheld recording and/or reproducing device according to Claim 17, wherein said ring part comprises: band member; and sticking means for sticking one end on the back plane of said band member to the other end on the front plane of the band member (Walden, col.1, lines 35-50 & col.3, lines 9-14).

**11.** As per claim 19 Tokyo Shibaura Electric Co-Walden disclosed the handheld recording and/or reproducing device according to Claim 18, wherein said sticking



Art Unit: 2443

means is a sticking tape for detachably sticking said one end on said back plane of said band member to said the other end on said front plane of the band member (Walden, col.1, lines 35-50 & col.3, lines 9-14).

12. As per claim 37 Tokyo Shibaura Electric Co-Walden disclosed the handheld recording and/or reproducing device according to Claim 36, further comprising: a strap to be attached to said strap attaching unit.(Walden, figure 1, elements 36 & 17).

### ***Claim Rejections - 35 USC § 103***

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

14. Claims 11, 12, 13, 27, 28 & 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Tokyo Shibaura Electric Co** et al (9-179549) {submitted as IDS}, **Walden** (4,081,850) and **Mills** (U.S 6,353,870).

15. As per claims 11 & 27 **Tokyo Shibaura Electric Co - Walden** disclosed the handheld recording and/or reproducing device according to Claim 10. However neither Tokyo Shibaura Electric Co nor Walden explicitly disclose wherein said interface takes in said digital data which is transferred from said outside on Internet. In the same filed of

Art Unit: 2443

endeavor **Mills (U.S 6,353,870)** disclosed wherein said interface takes in said digital data which is transferred from said outside on Internet (Mills, col.11, lines 9-11).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated the functionality of transferring digital data from the internet as disclosed by Mills on the portable recording and/or reproducing device disclosed by Tokyo Shibaura Electric Co and Walden in order to make the device more versatile resulting in acquiring recording and playback data capability from additional venues.

16. As per claims 12 & 28 **Tokyo Shibaura Electric Co - Walden** disclosed the handheld recording and/or reproducing device according to Claim 11. However neither Tokyo Shibaura Electric Co nor Walden explicitly disclose wherein said interface is a connector based on the Universal Serial Bus standard. In the same filed of endeavor **Mills** disclosed wherein said interface is a connector based on the Universal Serial Bus standard (Mills, col.5, lines 59-67).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated USB connector as disclosed by Mills on the portable recording and/or reproducing device disclosed by Tokyo Shibaura Electric Co and Walden in order to make the device more versatile resulting in acquiring recording and playback data capability from additional venues.

Art Unit: 2443

17. As per claims 13 & 29 **Tokyo Shibaura Electric Co - Walden** disclosed the handheld recording and/or reproducing device according to Claim 36. However neither Tokyo Shibaura Electric Co nor Walden explicitly disclose wherein said control means read out said digital data which has been compressed with the MPEG Audio Layer-3 method, from said recording medium, in accordance with said reproduction instruction input with said manipulating means. In the same filed of endeavor **Mills** disclosed wherein said control means read out said digital data which has been compressed with the MPEG Audio Layer-3 method, from said recording medium, in accordance with said reproduction instruction input with said manipulating means (Mills, col.7, lines 65-67 & col.8, lines 1-13).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated MPEG Audio Layer -3 {A.K.A MP3} capability as disclosed by Mills on the portable recording and/or reproducing device disclosed by Tokyo Shibaura Electric Co and Walden in order to make the device more versatile resulting in recording and playback data capability in additional formats.

18. As per claims 14 & 30 **Tokyo Shibaura Electric Co - Walden** disclosed the handheld recording and/or reproducing device according to Claim 36. However neither Tokyo Shibaura Electric Co nor Walden explicitly disclosed wherein said control means reads out said digital data which has been compressed by the Adaptive Transform Acoustic Coding-3 method, from said recording medium, in accordance with said reproduction instruction input with said manipulating means. In the same filed of

Art Unit: 2443

endeavor **Mills** disclosed wherein said control means reads out said digital data which has been compressed by the Adaptive Transform Acoustic Coding-3 method, from said recording medium, in accordance with said reproduction instruction input with said manipulating means (Mills, col.3, lines 10-25).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated data which being compressed by the Adaptive Transform Acoustic Coding-3 method as disclosed by Mills on the portable recording and/or reproducing device disclosed by Tokyo Shibaura Electric Co and Walden in order to make the device more versatile resulting in recording and playback data capability in additional formats.

### ***Response to Arguments***

19. Applicant's arguments filed 2/23/2009 have been fully considered but they are not persuasive.

20. Applicant argued that the newly amended independent claims are not anticipated by the prior art.

As to applicant's argument examiner has mapped the pertinent sections of the prior art with explanations to the newly amended limitations in the rejections above.

***Conclusion***

21. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
22. Downs et al (U.S. 6,226,618 B1) disclosed electronic content delivery system.
23. Diakoulas (U.S. 5,915,609 disclosed belt harness and support.
24. Ijichi Katsuhiko (JP- 9-065473, 1997-03-07) disclosed head phones attached to an electronic device.
25. Furukawa Shigeru et al (JP-9-191916, 1997-07-29) disclosed a portable bag with a strap having enclosed therein, an electronic device having an earphone producing audio output.
26. Lee et al (U.S. 5,787,399) disclosed portable recording/Reproducing device. IC memory card recording Format, and Recording/Reproducing method.
27. Sudo et al (U.S. 5,778,314) disclosed speech message recording and reproduction method and apparatus.
28. Akamine et al (U.S. 5,644,557) disclosed Audio data recording system for recording voice data as an optically readable code on a recording medium for recording still image data photographed by a camera.
29. Norris et al (U.S. 5,491,774) disclosed handheld record and playback device with flash memory.

Art Unit: 2443

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASGHAR BILGRAMI whose telephone number is (571)272-3907. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tonia L.M. Dollinger can be reached on 571-272-4170. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. B./

Examiner, Art Unit 2443

/J Bret Dennison/

Primary Examiner, Art Unit 2443